

What is claimed is:

1. An immobilization walker comprising:

¹⁴
an outer sole with a back end;

¹²
a rigid immobilization plate including:

a back portion that extends up from the back end of the outer sole, and

¹²
a bottom portion attached to the top of the outer sole; and

¹⁰ ¹²
a boot portion attached to the rigid immobilization plate;

¹²
wherein the rigid immobilization plate is designed to prevent movement in a patient's ankle and the boot portion is designed to fit around the patient's foot and lower leg.

2. The immobilization walker of claim 1, wherein the boot portion has at least one ¹⁰
²² ventilation port.

3. The immobilization walker of claim 2, wherein the ventilation port is raised.

How?
Spec: unclasp

4. The immobilization walker of claim 1, wherein the rigid immobilization plate ¹² has at least one ventilation port.

5. The immobilization walker of claim 4, wherein the ventilation port is raised.

6. The immobilization walker of claim 1, wherein a liner ¹⁶ is fixed inside the boot portion.

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Fig. 5

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7. The immobilization walker of claim 6, wherein the liner is made of a soft, breathable material.

10 11
8. The immobilization walker of claim 1, wherein the boot portion is made of a semi-flexible material.

(relative terms)

9. The immobilization walker of claim 8, wherein the semi-flexible material is polyurethane.

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12
10. The immobilization walker of claim 1, wherein the boot portion is located inside the immobilization plate.

11. An immobilization walker comprising:

14
an outer sole with a back end;

12
a rigid immobilization plate including:

a back portion that extends up from the back end of the outer sole, and

42 14
a bottom portion attached to the top of the outer sole, wherein the bottom portion

has a top;

10 12
a boot portion attached to the top of the bottom portion of the rigid immobilization plate;

18, 20
a lower removable insole made of a material with a density; and

10 an upper removable ¹²insole made of a material with a softer density than the lower insole;
wherein the rigid immobilization plate is designed to prevent movement in a patient's
ankle and the boot portion is designed to fit around the patient's foot and lower leg, and
the lower removable ²⁰insole is located on top of the boot portion, and the upper removable
¹⁸insole is located on top of the lower removable insole.

12. The immobilization walker of claim 11, wherein the outer sole comprises a ¹⁴curved heel
portion, a flat central bottom surface portion, and a curved toe portion.

13. The immobilization walker of claim 11, wherein the boot portion further comprises a
circumferential counter for providing a pocket for the removable ^{18, 20}insoles.

14. The immobilization walker of claim 11, wherein the boot portion includes a foot portion
that is attached to the top of the bottom portion of the rigid immobilization plate; and
wherein a combined thickness of the removable ^{18, 20}insoles, the foot portion, the bottom
¹¹portion of the rigid immobilization plate, and the outer sole is approximately equal to a thickness
of a conventional boot.

15. The immobilization walker of claim 11, wherein at least one of the boot portion and the
rigid immobilization plate has at least one ²²raised ventilation port.

19. An immobilization walker comprising:
¹⁴
 an outer sole with a back end;
¹²
 a rigid immobilization plate including:
 a back portion that extends up from the back end of the outer sole, and
 a bottom portion attached to the top of the outer sole,
¹⁰
 a boot portion attached to the rigid immobilization plate, wherein the boot portion has a
¹²
first side separated by an open front from a second side;
²⁴
 a strap attached to boot portion on the first side of the boot portion,
 a means for attaching the strap attached to the second side of the boot portion;
 wherein the rigid immobilization plate is designed to prevent movement in a patient's
 ankle,
 the boot portion is designed to fit around the patient's foot and lower leg,
 the means for attaching the strap has an attaching lock portion,

the strap spans the open front, and

- 15 the strap is attached to the means for attaching the strap and is tightened to provide compression to the patient's at least one of ankle, foot, and lower leg.

20. The immobilization walker of claim 19, further comprising a means for tightening the strap, wherein the means for tightening the strap provides the tightening of the strap.

21. The immobilization walker of claim 20, wherein the means for tightening the strap has a lock portion.

22. The immobilization walker of claim 21, wherein the means for tightening the strap is attached to the second side of the boot portion.

23. The immobilization walker of claim 22, wherein the means for tightening the strap is a first buckle.

24. The immobilization walker of claim 23, wherein the means for attaching the strap is a second buckle.

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25. The immobilization walker of claim 24, further comprising a strap guide attached to the second side of the boot portion, wherein the strap guide causes a part of the strap to curve around the boot portion.

26. The immobilization walker of claim 19, wherein the means for attaching the strap provides the tightening of the strap.

27. The immobilization walker of claim 25, wherein the means for attaching the strap is a buckle.

28. The immobilization walker of claim 26, further comprising a strap guide attached to the second side of the boot portion, wherein the strap guide causes a part of the strap that is not tightened to curve around the boot portion.

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